

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Art Unit 2624

Hugh Anglin

Confirmation No. 4050

Application No.: 09/826,616

Filed: April 5, 2001

Via Electronic Filing

For: INSPECTING PRINT QUALITY USING
DIGITAL WATERMARKS

Examiner: J. Thompson

Date: July 26, 2006

INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants submit herewith information of which they are aware, and which they believe may be material to the examination of the application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56. The information is listed on the attached Form PTO-1449. Copies of the foreign patent publications and non-patent publications are attached.

This information disclosure statement is being filed after the mailing date of a First Office Action on the merits and before the first mailing date of Final Office Action (37 C.F.R. § 1.113), or Notice of Allowance (37 C.F.R. § 1.311).

The submission of information on the attached Form PTO-1449 is not intended as an admission that any such information constitutes prior art against the claims of the application under examination. Applicants do not waive any right to take any appropriate action to antedate or otherwise remove any information from the attached Form PTO-1449.

Please charge the fee of **\$180.00** under 37 C.F.R. § 1.17(p) and any additional fees or credit any overpayment in connection with the filing of this Information Disclosure Statement to Deposit Account No. 50-1071.

Respectfully submitted,

Date: July 26, 2006

DIGIMARC CORPORATION

Customer Number 23735

Telephone: 503-469-4800
FAX: 503-469-4777

By



Joel R. Meyer

Registration No. 37,677

INFORMATION DISCLOSURE STATEMENT	Docket: EWG-143	Ser. No. 09/826,616
	Applicant: Anglin	
	Filed: April 5, 2001	Group: 2624

US Patent Application Documents				
Ex'r Initial	Number	Date	Inventor	Class
	60/180,364	2/4/00	Davis et al.	
	60/198,138	4/17/00	Alattar	
	60/198,857	4/21/00	Davis et al.	
US Patent Documents				
Ex'r Initial	Number	Date	Inventor	Class
	2002/0009208	1/24/02	Alattar et al.	
	2001/0024510	9/27/01	Iwamura	
	2002/0031240	3/14/02	Levy et al.	
	20020037093	3/28/02	Murphy	
	2002/0076082	6/20/02	Arimura et al.	
	20020076084	6/20/02	Tian et al.	
	2002/0095577	7/18/02	Nakamura et al.	
	2002/0114456	8/22/02	Sako	
	20020176114	11/28/02	Zeller et al.	
	5646997	8/97	Barton	
	5745604	4/28/98	Rhoads	
	5825892	10/20/98	Braudaway et al.	
	5832119	11/1998	Rhoads	
	5835639	11/10/98	Honsinger et al.	
	5841886	11/24/98	Rhoads	
	5862260	1/19/99	Rhoads	
	5859920	1/1999	Daly et al.	
	5875249	2/23/99	Mintzer et al.	
	5933798	8/3/99	Linnartz	
	6026193	2/15/00	Rhoads	
	6065119	5/16/00	Sandford, II et al.	
	6226387	5/1/01	Tewfik et al.	
	6240121	5/01	Senoh	
	6246777	6/12/01	Agarwal et al.	
	6272176	8/7/01	Srinivasan	
	6272634	8/7/01	Tewfik et al.	
	6275599	8/14/01	Adler et al.	
	6285775	9/4/01	Wu et al.	
	6332030	12/18/01	Manjunath et al.	
	6332031	12/18/01	Rhoads et al.	
	6385329	5/7/02	Sharma et al.	
	6535251	3/2003	Ribas-Corbera	
	6546112	4/8/03	Rhoads	
	6563935	5/2003	Echizen et al.	
	6574350	6/3/03	Rhoads et al.	
	6611607	8/26/03	Davis et al.	
	6625295	9/2003	Wolfgang et al.	
	6636615	10/21/03	Rhoads et al.	
	6714683	3/30/04	Tian et al.	

Examiner Signature:

Date Considered:

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT	Docket: EWG-143	Ser. No. 09/826,616
	Applicant: Anglin	
	Filed: April 5, 2001	Group: 2624

	6735324	5/11/04	McKinley et al.	
	6757407	6/2004	Bruckstein et al.	
	6785815	8/31/04	Serret-Avila et al.	
	6788800	9/7/04	Carr et al.	
	6804376	10/12/04	Rhoads et al.	
	6823075	11/23/04	Perry	
	6834344	12/21/04	Aggarwal	

Foreign Patent Documents

Ex'r Initial	Number	Date	Country	Class
	EP0891071	1/13/99	EPO	
	EP0953938	11/3/99	EPO	
	EP1041815	4/00	EPO	
	WO00/33282	6/8/00	PCT	
	WO00/75925	12/14/00	PCT	

Other References

Ex'r Initial	Cite
	Bassali et al., "Compression Tolerant Watermarking for Image Verification," IBM India Research Lab, date unknown, 4 pages.
	Cox, "A Secure, Imperceptible yet Perceptually Salient, Spread Spectrum Watermark for Multimedia", Southcon June 1996, pages 192-197.
	Dittman, J., "Chapter 3: Telltale Watermarking," in <i>Multiresolution Digital Watermarking: Algorithms and Implications for Multimedia Signals</i> , Ph.D. thesis at Univ. of Toronto, 1999, pp. 23-52.
	Dittmann, J. et al., "Content-Based Digital Signature for Motion Pictures Authentication and Content-Fragile Watermarking," <i>IEEE Proc. Int. Conf. on Multimedia Computing and Systems</i> , Jun. 1999, pp209-213
	Frequently Asked Questions, EPSON Image Authentication System (IAS), October 5, 1999, 3 pages.
	Friedman, G.L., "The Trustworthy Digital Camera: Restoring Credibility to the Photographic Image," <i>IEEE Trans. Consumer Electronics</i> , Vol. 39, No. 4, Nov. 1993, pp. 905-910.
	Fridrich, "Combining Low-Frequency and Spread Spectrum Watermarking," <i>Proc. SPIE Int. Symposium on Optical Science, Engineering, and Instrumentations</i> , San Diego, July 1998.
	Fridrich, "Image Watermarking for Tamper Detection, <i>Proc. ICIP '98</i> , Chicago, Oct 1998.
	Hsu et al., "Multiresolution Watermarking for Digital Images", <i>IEEE</i> , vol. 45, no. 8, pp. 1097-1101, August, 1998.
	Hsu, "DCT-Based Watermarking for Video", <i>IEEE</i> 1998, pages 206-216.
	Koch et al., "Digital Copyright Labeling: Providing Evidence of Mis-use and Tracking Unauthorized Distribution of Materials", <i>OASIS Magazine</i> , December 1995, 3 pages.
	Koch et al., "Towards Robust and Hidden Image Copyright Labeling", <i>Proc. Of 1995 IEEE Workshop on Nonlinear signal and Image Processing (Neos Marmaras, Greece, June 20-22, 1995)</i> , 4 pages.
	Kundur et al., "A Robust Digital Image Watermarking Method Using Wavelet-Based Fusion", <i>Int. Conf. On Image Proc.</i> , Oct. 1997, pp. 544-547.
	Kundur et al., "Digital Watermarking for Telltale Tamper Proofing and Authentication", <i>IEEE</i> , vol. 87, no. 7, pp. 1167-1180.
	Kundur et al., "Digital Watermarking Using Multiresolution Wavelet Decomposition", <i>IEEE, ICASSP '98</i> , pp. 2969-2972, vol. 5.
	Lamy, P. et al., "Content-Based Watermarking for Image Authentication," <i>Proc. 3rd Int. Workshop on Information Hiding</i> , Sept/Oct. 1999, pp. 187-198.
	Lin, C.-Y. et al., "Generating Robust Digital Signature for Image/Video Authentication," <i>Proc. Multimedia and Security Workshop at ACM MULTIMEDIA '98</i> , Sept. 1998, pp. 49-54.
	Lin, C.-Y. et al., "Issues and Solutions for Authenticating MPEG Video," <i>Proc. SPIE vol. 3657: Security and</i>

Examiner Signature:

Date Considered:

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT	Docket: EWG-143	Ser. No. 09/826,616
	Applicant: Anglin	
	Filed: April 5, 2001	Group: 2624

	<i>Watermarking of Multimedia Contents</i> , Jan. 1999, pp. 54-65.
	Lin et al., "Detection of Image Alterations Using Semi-Fragile Watermarks," <i>Proc. Of SPIE Vol. 3971</i> , 2000, p. 152-163.
	Marvel et al., "Compression-Comppatible Fragile and Semi-Fragile Tamper Detection, <i>Proc. SPIE</i> , Vol. 3971, 2000, pp. 131-139.
	Matsui et al., "Embedding a Signature to Pictures Under Wavelet Transformation", <i>Transaction of the Institute of Electronics Information and Communication Engineers D-11</i> , vol. J79D-11, no. 6, June 1996, pp. 1017-1024.
	Matsui et al., "Use of the Wavelet Transformation to Embed Signatures in Images", <i>Systems and Computers in Japan</i> , January 1997, vol. 28, no. 1, pp. 87-94.
	Matsui et al., "Video-Steganography: How to Secretly Embed a Signature in a Picture", <i>IMA Intellectual Property Project Proceedings</i> , Vol. 1 Issue 1, January 1994, pp. 187-204.
	Matthews, R., "When Seeing is not Believing," <i>New Scientist</i> , No. 1895, Oct. 16, 1993, pp. 13-15.
	O'Ruanaidh et al., "Rotation, Scale and Translation Invariant Digital Image Watermarking", <i>International Conference on Image Processing</i> , Vol. I of III, IEEE Signal Processing Society, October 26-29, 1997, pp. 536-539.
	Queluz, M.P. et al., "Spatial Watermark for Image Verification," <i>Proc. SPIE vol. 3971: Security and Watermarking of Multimedia Contents II</i> , Jan. 2000, pp. 120-130.
	Rey, C. et al., "Blind Detection of Malicious Alterations on Still Images Using Robust Watermarks," <i>Proc. II Seminar on Secure Images and Image Authentication</i> , Apr. 2000, pp. 7/1-7/6.
	Schneider, Mr., "A Robust Content Based Digital Signature for Image Authentication," <i>IEEE Proc. Int. Conf. on Image Processing</i> , Sept. 1996, pp. 227-230 (vol. 3).
	Sun, Q. et al., "VQ-Based Digital Signature Scheme for Multimedia Content Authentication," <i>Proc. SPIE vol. 3971: Security and Watermarking of Multimedia Contents II</i> , Jan. 2000, pp. 404-416.
	Swanson et al., "Robust Data Hiding for Images", <i>IEEE Digital Signal Processing Workshop Proceedings</i> , Sept. 1-4, 1996, pp. 37-40.
	Swanson et al., "Multiresolution Scene-Based Video Watermarking Using perceptual Models", <i>IEEE</i> , May 1998, vol. 16, no. 4, pp. 540-550.
	Szepanski, W., "A Signal Theoretic Method for Creating Forgery-Proof Documents for Automatic Verification," <i>IEEE Proc. 1979 Carnahan Conf. con Crime Countermeasures</i> , May 1979, pp. 101-109.
	Tsekeridou et al., "Embedding self-similar watermarks in the wavelet domain", <i>IEEE, ICASSP 2000</i> , pp. 1967-1970.
	Tsekeridou et al., "Wavelet-based self-similar watermarking for still images", <i>2000 IEEE International Symposium on Circuits and Systems</i> , pp. 220-223.
	Walton, S., "Image Authentication for a Slippery New Age," <i>Dr. Dobb's Journal</i> , Apr. 1995, pp. 18-20, 22, 24, 26, 82 and 84-87.
	Xie, L. et al. "Methods for Soft Image/Video Authentication," <i>Proc. Conf. of ATIRP (Advanced Telecommunications and Information Distribution Research Project)</i> , Mar. 2000, 5 pages.
	Yeung et al., "Digital Watermarks: Shedding Light on the Invisible", <i>IEEE 1998</i> , pp. 32-41.
	Yeung et al., "An Invisible Watermarking Technique for Image Verification", <i>International Conference on Image Processing</i> , Vol. I of III, IEEE Signal Processing Society, October 26-29, 1997, pp. 680-683.
	Zhao et al., "Embedding Robust Labels into Images for Copyright Protection", <i>Proc. Of the International Congress on Intellectual Property Rights for Specialized Information, Knowledge and New Technologies (Vienna, Austria, August 21-25, 1995)</i> , 10 pages.
	Zhu et al., "Transparent Robust Authentication and Distortion Measurement Techniques for Images", <i>IEEE 1996</i> , pp. 45-48.
	Zhu et al., "Multiresolution Watermarking for Images and Video", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , Vol. 9, No. 4, June 1999, pp. 545-550.

Examiner Signature:

Date Considered:

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.